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(11) EP 0 865 172 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 07.01.1999 Bulletin 1999/01

(51) Int Cl.6: H04B 7/26

(43) Date of publication A2: 16.09.1998 Bulletin 1998/38

(21) Application number: 98301874.8

(22) Date of filing: 12.03.1998

(84) Designated Contracting States:

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC

NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 12.03.1997 US 815727

(71) Applicant: NOKIA MOBILE PHONES LTD. 02150 Espoo (FI)

(72) Inventors:

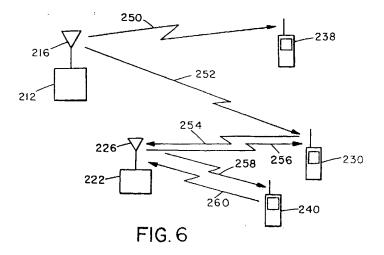
 Honkasalo, Harri 01660 Vantaa (FI)

- Honkasalo, Zhi-Chun 01660 Vantaa (FI)
- Sunay, Oguz Morris Plains, NJ 07950 (US)
- Ma, Lin Euless, TX 76040 (US)
- (74) Representative: Jeffery, Kendra Louise Nokia Mobile Phones (UK) Ltd. St. Georges Court St. Georges Road Camberley, Surrey GU15 3QZ (GB)

(54) Method and apparatus for operating an indoor CDMA telecommunications system

(57) A method and apparatus is provided for the overlaid operation of two or more wireless communication systems where one of the two systems is a small-scale or indoor system and the other is a large-scale or outdoor system. The indoor system monitors the operation of the outdoor system and detects which part of the available radio resources are temporarily not in use or interference-free in the outdoor system. The indoor

system dynamically selects an unused outdoor channel for indoor operation. The indoor radio traffic is divided into TDD time slots with the slots being used for monitoring the existing radio communication on other outdoor channels so that fast changes according to changing traffic and interference conditions are possible. Synchronization, timing and phase control may be added to assist in the maintenance of an error-free communication network.





EUROPEAN SEARCH REPORT

Application Number EP 98 30 1874

		ERED TO BE RELEVANT Indication, where appropriate.	Relevant	CL ACCIEIGA TO	
Category	of relevant pass		to claim	CLASSIFICATIO APPLICATION	
X	PATENTVERWALTUNG (D ELE) 22 December 19	94	1-10,13, 14,22-28	H 04B 7/26	
A	* page 2, line 30 - * page 6, line 34 - figures 4,5,10A,10B	page 12, line 16;	17,31		
A	EP 0 665 659 A (MAT LTD) 2 August 1995 * abstract; figure	SUSHITA ELECTRIC IND CO	10,11,29		
Α	DE 43 33 396 A (SIE	MENS AG) 6 April 1995	1-3,13,		
	* column 1, line 6 * column 9, line 57 figure 3A *	- column 1, line 26 * - column 10, line 9;			
A	US 5 341 397 A (GUD 23 August 1994	MUNDSON BJORN) - column 4, line 18;	1,22		
	figures 1,2 *	- column 4, line 18;		TECHNICAL FI SEARCHED	ELDS (Int.Cl.6)
				H04B	
-	The present search report has	been drawn up for all claims			
-	Place of search	Date of completion of the search		Examiner	
	MUNICH	11 November 1998	Bur	ghardt, G	
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : Intermediate document		E : earlier patent doc after the filling dat ther D : document cited in L : document cited fo	T ' theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

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